

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A microwave filter including a transmission microstrip, at least one lateral microstrip connected to said transmission microstrip, ~~and~~ at least two dielectric resonators, and ~~wherein said at least one lateral microstrip is~~ means coupled to said at least two dielectric resonators so that it can resonate for resonating with said at least two dielectric resonators and for attenuating an undesired frequency of signals transmitted by said transmission microstrip,

said means comprising at least one lateral microstrip extending, over its entire length, only transversely to said transmission microstrip.

2. (currently amended): ~~The filter claimed in claim 1~~ A microwave filter including a transmission microstrip, at least one lateral microstrip connected to said transmission microstrip, and at least two dielectric resonators, and wherein said at least one lateral microstrip is coupled to said at least two dielectric resonators so that it can resonate with said at least two dielectric resonators, and

wherein said plural lateral microstrips form a series of U-shapes, two successive U-shapes having a common branch.

3. (original): The filter claimed in claim 2 wherein the center of each dielectric resonator is equidistant from two branches of a U-shape.

4. (original): The filter claimed in claim 1 wherein each dielectric resonator has a relative permittivity of not less than 10.

5. (original): The filter claimed in claim 1 further including adjustment elements adapted to be moved arbitrarily relative to said dielectric resonators to modify respective resonant frequencies of said dielectric resonators.

6. (currently amended): The filter claimed in claim 1 wherein ~~each~~ said lateral microstrip has a length substantially equal to $3\lambda_m/4$ where λ_m represents a wavelength to be attenuated.

7. (currently amended): ~~The filter claimed in claim 1 including~~ A microwave filter including a transmission microstrip, at least one lateral microstrip connected to said transmission microstrip, and at least two dielectric resonators, and wherein said at least one lateral microstrip is coupled to said at least two dielectric resonators so that it can resonate with said at least two dielectric resonators,

wherein said filter includes at least three lateral microstrips connected to said transmission microstrip, and at least two dielectric resonators respectively placed between a first and a second lateral microstrip and between the second lateral microstrip and a third lateral microstrip.

8. (currently amended): A microwave antenna including radiating elements and at least one microwave filter ~~as claimed in claim 1~~ in a common chassis or housing,

said filter including a transmission microstrip, at least one lateral microstrip connected to said transmission microstrip, and at least two dielectric resonators, and wherein said at least one

lateral microstrip is coupled to said at least two dielectric resonators so that it can resonate with said at least two dielectric resonators.

9. (original): The antenna claimed in claim 8 including radio frequency protection for said filter.

10. (original): The antenna claimed in claim 8 including radiating elements operating in different frequency bands.

11. (new): The filter claimed in claim 1, wherein said lateral microstrip has a free end which is not connected to anything.